

Dominion Energy South Carolina, Inc.
Environmental Services
400 Otarre Parkway, Cayce, SC 29033
Mailing Address:
220 Operation Way, MC C221, Cayce SC 29033



January 29, 2020

Mr. McKenzie Mallary
Remedial Project Manager
U.S. EPA
61 Forsyth Street SW
Atlanta, GA 30303-3104

**RE: 4th Quarter 2019 Progress Report
Calhoun Park Area Site**

Dear Mr. Mallary:

Please find enclosed the 4th Quarter 2019 Progress Report for the Calhoun Park Area Site (CPA site) for activities related to both OU #1 and OU #2.

Major activities for this quarterly reporting period included:

- Transporting 20 drums of recovered DNAPL to Tradebe Environmental Services for recycling;
- Conducting the annual intermediate groundwater monitoring event;
- Continuing with the DNAPL monitoring/removal program; and
- Continuing work on other CPA site commitments as detailed herein.

If you have any questions or need additional information, please contact Paul Biery at 803-217-5016.

Sincerely,

A handwritten signature in black ink, appearing to read "T. A. Effinger".

Thomas Effinger
Director, Environmental

cc: J. Padget (SCDHEC)
P. Biery, R. Contrael (DESC)
W. Zeli (Apex)



11144285

4th QUARTER 2019 PROGRESS REPORT

CALHOUN PARK AREA SITE ACTIVITIES CHARLESTON, SOUTH CAROLINA DOMINION ENERGY SOUTH CAROLINA, INC.

A. ACTIVITIES WITHIN THE QUARTER

The following activities were completed or continued during October through December 2019:

- Continued agency communication / correspondence and submittals in accordance with the Unilateral Administrative Order (UAO);
- Prepared the Quarterly Progress Report for July through September 2019 and submitted to EPA and SCDHEC;
- Prepared monthly discharge reports for submittal to Charleston Water System (CWS);
- Continued DNAPL monitoring and removal from various shallow and intermediate monitoring points, including procurement of a new portable pump for DNAPL recovery;
- Transported 20 drums of recovered DNAPL to Tradebe Environmental Services for recycling in December 2019;
- Initiated planning for the technical impracticability (TI) demonstration;
- Conducted the annual intermediate groundwater monitoring event during the week of December 9, 2019; and
- SCDHEC conducted a site inspection on December 17, 2019.

B. DATA SUBMITTAL

No data was submitted to EPA and SCDHEC during this reporting period.

C. SCHEDULE

The project is being completed in general accordance with associated schedule requirements. Ongoing site activities associated with the point source removal of DNAPL in select monitoring and DRW wells were continued during this reporting period.

D. COMMUNICATIONS

October 2, 2019 – W. Zeli (Apex) submitted the Monthly Discharge Report for September 2019 to J. Walker (CWS).

October 17, 2019 and November 6, 2019 – T. Effinger (DESC) communicated with M. Mallory (U.S. EPA) regarding transition of the project to a new EPA RPM and the status of several EPA reviews.

October 22, 2019 – P. Biery (DESC) submitted the Third Quarter 2019 Progress Report to M. Mallory (U.S. EPA).

October 29, 2019 – J. Padgett (SCDHEC) provided a response to the Thirty-Fifth DNAPL Removal Report – December 2018 through May 2019 and concurred with continuing manual DNAPL recovery at the site.

November 4, 2019 – J. Padgett (SCDHEC) provided a response to the OU #1 Shallow Groundwater Monitoring Results – April 2019 report.

November 6, 2019 – T. Effinger (DESC) submitted the Monthly Discharge Report for October 2019 to J. Walker (CWS).

November 7, 2019 – J. Padgett (SCDHEC) provided a response to the Third Quarter 2019 Progress Report.

December 6, 2019 – T. Effinger (DESC) submitted the Monthly Discharge Report for November 2019 to J. Walker (CWS).

E. DIFFICULTIES ENCOUNTERED

There were no difficulties encountered during this reporting period.

F. CORRECTIVE ACTION

There were no corrective actions required during this reporting period.

G. PROJECT PERSONNEL

There have been no changes to project personnel during this reporting period.

H. REPORTS SUBMITTED TO EPA

No reports were submitted to EPA and SCDHEC during this reporting period.

I. PROJECTED ACTIVITIES

DESC will:

- Continue with site-wide DNAPL recovery tasks at various points in both the shallow and intermediate groundwater zones, including arrangements for DNAPL recycling;
- Abandon the shallow and intermediate zone wells approved for abandonment by SCDHEC;
- Follow-up on the Five-Year Review Report, including plans for a technical impracticability demonstration;

- Continue monthly reporting to CWS for potential groundwater discharges;
- Complete and submit the Thirty-Sixth DNAPL Removal Report;
- Prepare and submit the annual OU #2 Intermediate Groundwater Monitoring Report for the December 2019 event;
- Provide on-site support activities for various electrical equipment upgrade projects in and around the substation, as needed; and
- Perform groundwater monitoring well maintenance activities, as needed.

J. DNAPL MONITORING / REMOVAL PROGRAM

A total of approximately 705 gallons of DNAPL were removed from 27 recovery locations during this reporting period, as summarized on Table 1. Recovery locations during the quarter are identified on Figure 1.

TABLE 1

**CUMULATIVE SUMMARY OF DNAPL REMOVED BASED ON DRUM AND CONTAINER MEASUREMENTS
OCTOBER THROUGH DECEMBER 2019**

DESC Calhoun Park Area Site
Charleston, South Carolina

Well	OCTOBER 2019																NOVEMBER 2019											DECEMBER 2019											Total Volume Removed - 4th Quarter 2019 (gallons)
	1	2	3	4	7	8	9	10	21	22	23	24	25	28	29	30	31	11	12	13	14	15	18	19	20	21	2	3	4	5	6	16	17	18	19	20			
DRW-06	Pumped Intermittently - 234.67																Pumped Intermittently - 133.74											Pumped Intermittently - 210.52											578.93
DRW-08		0.50		1.00	0.25	0.75	0.50					0.75	1.00		0.50	0.50					1.00			1.00					0.75				1.00		0.75	10.25			
DRW-12	1.25				0.75					1.25				0.75					1.00				0.75					1.00				0.75			0.75	7.50			
DRW-13		1.00									1.25				1.25				0.50									0.50				1.00			5.50				
DRW-14				0.75									0.50										0.50									0.25			2.00				
DRW-15			1.00									1.00								1.00									0.75						3.75				
DRW-16								0.75								0.75									0.75										2.25				
DRW-19			1.50									1.25								1.00									1.50						5.25				
DRW-21					2.25				4.00					2.00				4.25					2.25				3.75				2.50				21.00				
DRW-22						0.75										0.75														1.00					2.50				
DRW-23						0.25																													0.25				
DRW-24																								0.75											0.75				
DRW-25								1.00								0.50																	0.75		2.25				
DRW-26																							0.75												0.75				
DRW-28																								1.75									1.00		2.75				
DRW-32				0.75											0.75																				1.50				
DRW-33		1.75										0.75							0.50	0.50			0.50					0.25	0.50	0.25		1.00			6.00				
DRW-34						1.75						1.25								3.50											2.00				8.50				
DRW-35			2.50										2.25			1.50					2.50								2.50						11.25				
DRW-37															0.75																		0.75		1.50				
DRW-38							1.00																												1.00				
DRW-39														0.75																			0.75		1.50				
DRW-42	2.00				1.25					2.50				1.00					2.25				0.75				1.50				1.00				12.25				
DRW-47																								0.50				1.50							0.50				
DRW-48							2.50									3.00									2.75								2.50		10.75				
MW-12A																0.10																			0.10				
MM-02B				0.50				0.50					0.50				0.50				0.50				0.50					0.50				0.50	4.00				
Total Volume Removed (gallons)	3.25	3.25	5.00	3.00	4.50	3.50	4.00	2.25	4.00	3.75	2.00	4.25	4.25	4.50	3.25	5.10	2.50	4.25	3.25	1.00	6.00	4.00	3.75	3.50	5.00	1.25	3.75	2.50	1.50	5.25	3.75	4.25	2.00	2.75	4.25	1.25	704.53		

